



PATENT
Customer No. 22,852
Attorney Docket No. 06809.0030

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Morton M. MOWER) Group Art Unit: 3762
)
Application No.: 10/656,222) Examiner: Kahelin, Michael William
)
Filed: September 8, 2003) Confirmation No.: 1067
)
For: METHOD AND APPARATUS FOR)
INTERCHAMBER)
RESYNCHRONIZATION)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(c)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants bring to the attention of the Examiner the documents listed on the attached PTO/SB/08 form. Applicants file this Information Disclosure Statement (IDS) after the period set forth in 37 C.F.R. § 1.97(b), but before the mailing date of either a Final action, Quayle action, or a Notice of Allowance, to the undersigned representative's knowledge at the time of filing this IDS. This IDS supplements the IDS filed on March 8, 2004.

Under the provisions of 37 C.F.R. § 1.97(c), this Information Disclosure Statement is accompanied by a fee of \$180 as specified by Section 1.17(p). 04/12/2006 SZEWDIE1 00000074 10656222 01 FC:1806 180.00 OP

Copies of the listed foreign and non-patent literature documents are attached. Copies of the U.S. patents and U.S. patent publications are not enclosed. Applicant respectfully requests that the Examiner consider the listed documents and indicate their consideration by making appropriate notation on the attached PTO/SB/08 form.

The relevance of two non-English language documents, D'AIOTOLO et al., "Tratamiento De Las Arritmias Cardiacas" ("D'Aiotolo"), and SILVA, "Influencia de la Localizacion de la Estimulacion Electrica Ventricular Sobre la Eficiencia Cardiac. Estudio Experimental Y Clinico" ("Silva"), is set forth below.

D'Aiotolo generally discloses "Treatment of Cardiac Arrhythmias," in particular, Chapter I is the "Introduction." Chapter II discusses "Physiology of Cardiac Rhythm." Chapter III discusses "Physiopathology of Arrhythmias." Chapter IV discusses "Pharmacology of Anti-Arrhythmic Drugs." Chapter V discusses "Pharmacologic Treatment of Arrhythmias." Chapter VI discusses "Rhythmic Electric Stimulation - Cardiac Pacemakers." Chapter VII discusses "Indications/Procedures, Results, and Complications from Pacemaker Implantations." Chapter VIII discusses "Arrhythmias in Patients with Artificial Cardiac Pacemakers." Chapter IX discusses "Paired and Coupled Pacemakers and their use in Treatment of Arrhythmias and Cardiac Insufficiency." Chapter X discusses "Electrophysiological Studies in the Human Heart." Chapter XI discusses "Cardioversion [electric shock to heart], Theoretical and Experimental Fundamentals, Clinical Uses, and Indications/Procedures. Finally, Chapter XII discusses "Intensive Care Units."

Silva is a doctoral dissertation that generally discloses "Effect of Location of Ventricular Electrical Stimulation on Cardiac Efficiency – Experimental and Clinic Study." In particular, Chapter 1 is the "Introduction," with Section 1.1 setting forth the background and fundamentals of the study. Section 1.1.1 discusses Permanent cardiac stimulation: evolution and current status. Section 1.1.2 discusses prior studies on the influence of the place of cardiac stimulation on hemodynamic (blood circulation) parameters and continuing interest in this line of research. Section 1.1.3 discusses the mechanics of ventricular contraction. Section 1.2 discusses comments on the methodology followed. Section 1.2.1 discusses an experimental model:

electric activation (stimulation) in dogs – an epicardic map. Section 1.2.2 discusses the clinical (work), evaluation (& follow up) methods. Chapter 2 is the “Objectives.” Chapter 3 is the “Materials and Methods,” with Section 3.1 discussing the experimental model and 3.2 discussing the clinical work. Chapters 4, 5, 6, 7, and 8 are the “Results,” “Discussion,” “Conclusions,” “Summary,” and “References,” respectively.

In lieu of a statement of relevance for the remaining non-English language documents, English-language Abstracts are provided.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute “prior art.” If the Examiner applies any or all of the documents as prior art against any claim in the application and Applicant determines that the cited documents do not constitute “prior art” under United States law, Applicant reserves the right to present the relevant facts and law to the Office regarding the appropriate status of such documents.

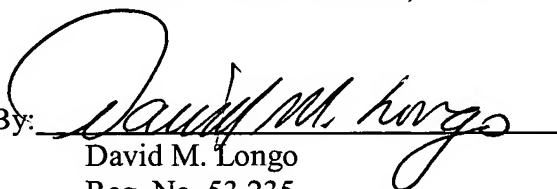
Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should any or all of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: April 11, 2006

By: 
David M. Longo
Reg. No. 53,235

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

14

Complete if Known

Application Number	10/656,222
Filing Date	September 8, 2003
First Named Inventor	Morton M. Mower
Art Unit	3762
Examiner Name	Kahelin, Michael William
Attorney Docket Number	06809.0030

**U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS**

Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US--3,345,990	10/10/1967	Berkovits	
		US--3,431,912	03/11/1969	Keller, Jr.	
		US--3,433,228	03/18/1969	Keller, Jr.	
		US--3,595,242	07/27/1971	Berkovits	
		US--3,648,707	03/14/1972	Greatbach	
		US--3,747,604	07/24/1973	Berkovits	
		US--3,814,106	06/04/1974	Berkovits	
		US--3,903,897	09/09/1975	Woolons et al.	
		US--3,937,226	02/10/1976	Funke	
		US--4,052,991	10/11/1977	Zacouto	
		US--4,057,067	11/08/1977	Lajos	
		US--4,088,140	05/09/1978	Rockland et al.	
		US--4,303,075	12/01/1981	Heilman et al.	
		US--4,312,355	01/26/1982	Funke	
		US--4,332,259	06/01/1982	McCorkle, Jr.	
		US--4,335,727	06/22/1982	McPherson	
		US--4,354,497	10/19/1982	Kahn	
		US--4,378,020	05/29/1983	Nappholz et al.	
		US--4,401,119	08/30/1983	Herpers	
		US--4,418,695	12/06/1983	Buffet	
		US--4,429,697	02/07/1984	Nappholz et al.	
		US--4,452,248	06/05/1984	Keller, Jr.	
		US--4,458,677	07/10/1984	McCorkle, Jr.	
		US--4,541,417	09/17/1985	Krikorian	
		US--4,548,203	10/22/1985	Tacker, Jr. et al.	
		US--4,554,922	11/26/1985	Prystowsky, et al.	
		US--4,624,260	11/25/1986	Baker, Jr. et al.	
		US--4,685,446	08/11/1987	Choy	
		US--4,705,043	11/10/1987	Imran	
		US--4,727,877	03/01/1988	Kallok	
		US--4,774,950	10/04/1988	Cohen	
		US--4,790,317	12/13/1988	Davies	
		US--4,799,486	01/24/1989	DuFault	
		US--4,817,608	04/04/1989	Shapland et al.	

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	2	of	14	Attorney Docket Number	06809.0030

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US--4,827,932	05/09/1989	Ideker et al.	
		US--4,827,934	05/09/1989	Ekwall	
		US--4,830,006	05/16/1989	Haluska et al.	
		US--4,925,443	05/15/1990	Heilman et al.	
		US--4,928,688	05/29/1990	Mower	
		US--4,932,407	06/12/1990	Williams	
		US--4,967,749	11/06/1990	Cohen	
		US--4,974,588	12/04/1990	Smits	
		US--5,014,696	05/14/1991	Mehra	
		US--5,024,222	06/18/1991	Thacker	
		US--5,083,563	01/28/1992	Collins	
		US--5,099,838	03/31/1992	Bardy	
		US--5,111,811	05/12/1992	Smits	
		US--5,129,394	07/14/1992	Mehra	
		US--5,158,097	10/27/1992	Christlieb	
		US--5,213,098	05/25/1993	Bennett et al.	
		US--5,251,621	10/12/1993	Collins	
		US--5,334,222	08/02/1994	Salo et al.	
		US--5,487,758	01/30/1996	Hoegnelid et al.	
		US--5,545,204	08/13/1996	Cammilli et al.	
		US--5,584,868	12/17/1996	Salo et al.	
		US--5,899,930	05/04/1999	Flynn et al.	
		US--5,626,620	05/06/1997	Kieval et al.	
		US--5,902,324	05/11/1999	Thompson et al.	
		US--5,919,209	07/06/1999	Schouten	
		US--6,185,459 B1	02/06/2001	Mehra et al.	
		US--6,298,268 B1	10/02/2001	Ben-Haim et al.	
		US--6,317,631 B1	11/13/2001	Ben-Haim et al.	
		US--6,330,476 B1	12/11/2001	Ben-Haim et al.	
		US--6,337,995 B1	01/08/2002	Mower	
		US--6,343,232 B1	01/29/2002	Mower	
		US--6,463,324 B1	10/08/2002	Ben-Haim et al.	
		US--RE38119 E	05/20/2003	Mower	

Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	3	of	14	Attorney Docket Number	06809.0030

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		GB 1401247	11/16/1983	Siemens Aktiengesellschaft		
		GB 2119255A	07/23/1975	Teletronics Pty. Ltd.		
		EP 0017447 A1	10/15/1980	Medtronic, Inc.		
		EP 0039269 A1	11/14/1981	Medtronic, Inc.		
		WO 82/03783	11/11/1982	Biotronik		English-Language Abstract

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶	
		Morton M. MOWER, U.S. Application No. 10/214,474, entitled "METHOD AND APPARATUS FOR TREATING HEMODYNAMIC DISFUNCTION," filed August 8, 2002 (Continuation Reissue Application of U.S. Patent No. 4,928,688).		
		Picture of Biventricular Pacer manufactured by American Optical Co., American Optical Corp., Research Division, Biventricular Pacer Device, 1975.		
		AHN et al., "Disparity Between Left Ventricular and Biventricular Pacing Thresholds," NASPE Abstracts, <i>PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 96.		
		ARANDA et al., "A New Pacemaker for Simultaneous Biventricular Stimulation of the Human Heart," Clin. Res., Vol. XXIV, No. 3, p. 206A (1976).		
		AURICCHIO et al., "Comparison Between Uni-Ventricular Pacing and Biventricular Pacing After AV Nodal Ablation on Systolic Function of Heart Failure Patients with Atrial Fibrillation," NASPE Abstracts, <i>PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 613.		
		BADEER, "Relation of ECG to Mechanical Events," <i>Cardiovascular Physiology</i> , 1984, 6:57-58.		
		BAILON et al., "Some Data for an Unanswered Question: Choosing the Ventricular Electrode Place," Pacing and Clinical Electrophysiology, Volume 8, No. 3, Part II, p. A-11 (1985).		
		BAKKER et al., "Beneficial Effects of Biventricular Pacing in Congestive Heart Failure," <i>PACE</i> , 1994 Apr, 17 (4):820.		
		BAKKER et al., "Biventricular Pacing in Congestive Heart Failure," <i>Clinical Research</i> , vol. 42, no. 2., April 1994, p. 327A.		
		BAKKER et al., "Biventricular Pacing Improves Functional Capacity in Patients with End-Stage Congestive Heart Failure," <i>PACE</i> , NASPE Abstracts, 1995 (18):825.		
		BAROLD et al., "First Reports of Electrical Multisite Ventricular Activation in Humans," <i>PACE</i> , 2000 December, (23):2117-2119.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	4	of	14	Attorney Docket Number	06809.0030

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			Translation ⁶
		BASHIR et al., "Combined Use of Transesophageal ECHO and Fluoroscopy for the Placement of Left Ventricular Pacing Leads Via the Coronary Sinus," <i>PACE</i> , 2003 October, (26):1951-1954.			
		BEFELER et al., "Programmed Simultaneous Biventricular Stimulation in Man, with Special Reference to its Use in the Evaluation of Intraventricular Reentry," <i>Eur. J. of Cardiology</i> , Vol. 9, No. 5, pp. 369-378 (1979).			
		BENCHIMOL et al., "Cardiac Hemodynamics During Stimulation of the Right Atrium, Right Ventricle, and Left Ventricle in Normal and Abnormal Hearts," <i>Circulation</i> , Vol. 33, June 1966, pp. 933-944.			
		BENCHIMOL et al., "Contribution of Atrial Systole to the Cardiac Function at a Fixed and at a Variable Ventricular Rate," <i>The American Journal of Cardiology</i> , Vol. 16, No. 1, July 1965, pp. 11-21.			
		BLACKBURN et al., "Ventricular Pacing from the Coronary Sinus of a Patient with a Fontan Circulation," <i>Br. Heart J.</i> , 1993, (70):578-579.			
		BOCCHIARDO et al., "Efficacy of Biventricular Sensing and Treatment of Ventricular Arrhythmias," <i>PACE</i> , Vol. 23, 2000 November, 1989-1991.			
		BORDACHAR et al., "Impact of Inter-Ventricular Programming to Optimize Severe Heart Failure Patients with Multisite Ventricular Pacing," <i>NASPE Abstracts, PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 92.			
		BOURASSA, "Hemodynamic Studies During Intermittent Left Bundle Branch Block," <i>American Journal of Cardiology</i> , 1962 December, 792-799.			
		BOVE et al., "Ventricular Interdependence," <i>Prog. Cardiovasc. Dis.</i> , 1981 Mar-Apr; 23(5):365-388.			
		BRACKE et al., "Extraction of Pacemaker and Implantable Cardioverter Defibrillator Leads: Patient and Lead Characteristics in Relation to the Requirement of Extraction Tools," <i>PACE</i> , 2002 July, (25):1037-1040.			
		BRACKE et al., "Role of Interventricular Pacing Delay in Patients with Atrial Fibrillation and Cardiac Resynchronisation Therapy," <i>NASPE Abstracts, PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 621.			
		BROKA et al., "Hemodynamic Effects of Atrio-Biventricular Pacing," <i>Ann. Thoracic Surg.</i> , 1995, (60):1156.			
		BROWNLEE et al., "New Functional Configurations for Adaptive Pacemakers," 28 th ACEMB, New Orleans, Sept. 20-24, 1975, p. 84.			
		BROWNLEE et al., "Advances in ventricular synchronous demand cardiac pacemakers," <i>Med. Instrum.</i> , 1978 Mar-Apr; 12(2):94-99.			
		BROWNLEE et al., "New Interference Sensing Demand Pacemaker Functions," <i>IEEE Transaction on Biomedical Engineering</i> , 1978 May, Vol. BME 25, No. 3, pp. 264-269.			
		BULAVA et al., "Triple-Site Pacing in Patients with Biventricular Device, Incidence of the Phenomenon and Cardiac Resynchronization Benefit," <i>NASPE Abstracts, PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 617.			

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	5	of	14	Attorney Docket Number	06809.0030

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶	
		CASTELLANOS et al., "Bipolar Coronary Sinus Lead For Left Atrial and Left Ventricular Recording," <i>American Heart Journal</i> , 1971, Vol. 81, No. 6, 832-836.		
		CASTELLANOS et al., "Measurement of Conduction Times With Catheter Electrodes During Pacing From Different Ventricular Sites," <i>British Heart Journal</i> , 1975, (37):242-248.		
		CASTELLANOS et al., "Unusual QRS Complexes Produced by Pacemaker Stimuli," <i>American Heart Journal</i> , 1969 June, Vol. 77, No. 6, 732-742.		
		CAZEAU et al., "Four Chamber Pacing in Dilated Cardiomyopathy," <i>PACE</i> , 1994 November, Part II, Vol. 17, 1974-1979.		
		CAZEAU et al., "Multisite Pacing for End-Stage Heart Failure," <i>PACE</i> , 1996 November, (19):1748-1757.		
		CAZEAU et al., "Echocardiographic Modeling of Cardiac Dyssynchrony Before and During Multisite Stimulation: A Prospective Study," <i>PACE</i> , 2003 January, Part II, (26):137-143.		
		CHAMORRO et al., "Ejection VAVE; EF and Phase Histogram to Evaluate a Correct Programation of AV Delay in DDD Pacemakers," <i>European Journal of Nuclear Medicine</i> , Vol. 8, No. 5, pp. A 36 (1983).		
		COHEN et al., "Hemodynamic Responses to Rapid Pacing: A Model for Tachycardia Differentiation," <i>PACE</i> , 1988 November, (11):1522-1528.		
		Cordis Artacor Manual, Implantable P-Wave Synchronized Cardiac Pacers, Model 145," 149-Rev. 3A, October 1973, pp. I-1 to VIII-1.		
		CURTISS et al., "Electrocardiographically Discrete Right and Left Ventricular QRS Complexes: A Case Report," <i>J. Electrocardiol.</i> , 1987 April; 20(2):162-168.		
		D'AIOTOLO et al., "Tratamiento De Las Arritmias Cardiacas," Buenos Aires (1968) (in Spanish). pp. 1-112.	No	
		DAVID et al., "Atrial Alternans: Experimental Echocardiographic and Hemodynamic Demonstration During Programmed Pacing," <i>Am. J. of Cardiology</i> , September 1981, Vol. 48, pp. 468-472.		
		DAWSON et al., "Regional left ventricular wall motion in pacing induced angina," <i>Br. Heart J.</i> , 1988, 59(3):309-318.		
		DAWSON et al., "Left ventricular filling and early diastolic function at rest and during angina in patients with coronary artery disease," <i>Br. Heart J.</i> 1989, 61(3):248-257.		
		DE TERESA et al., "An Even More Physiological Pacing: Changing the Sequence of Ventricular Activation," <i>Cardiac Pacing: Proceedings of the VIIth World Symposium on Cardiac Pacing</i> , Vienna, May 1-5, 1983, Steinkopff Verlag Darmstadt 1983, pp. 395-400.		
		DE TERESA et al., "Haemodynamics of Ventricular Depolarization Sequence During Permanent Cardiac Pacing," <i>Cardio Stimolazione</i> , Vol. 2, No. 3, p. 225 (1984).		
		DE TERESA et al., "Haemodynamics of Ventricular Depolarization Sequence During Permanent Cardiac Pacing," <i>Progress in Clinical Pacing</i> , Proceedings Ed. by Santini et al., pp. 888-894, Rome (1984).		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	6	of	14	Attorney Docket Number	06809.0030

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			Translation ⁶
		DREIFUS et al., "Use of atrial and bifocal cardiac pacemakers for treating resistant dysrhythmias," <i>Eur. J. Cardiol.</i> , 1975 Dec.; 3(4):257-266.			
		DREIFUS et al., "Effect of multiple simultaneous activation sites (biventricular pacing) on ventricular depolarization and ventricular arrhythmias," <i>Cardiac Pacing, Proceedings of the Vth International Symposium, Tokyo</i> , 1976 March, pp. 33-39.			
		DUCK et al., "Vorhofsynchrone Ventrikelstimulation mit verkürzter a.v. Verzögerungszeit als Therapieprinzip der hypertrophischen obstruktiven Kardiomyopathie" "[Atrial Synchronous Ventricular Stimulation With Reduced a.v. Delay Time as a Therapeutic Principle in Hypertrophic Obstructive Cardiomyopathy]," <i>Z. Gesamte Inn. Med.</i> , 1984 September 15, (39):18 437-447. (German with English-Language Abstract Attached)			English-Language Abstract
		ENJOJI et al., "Evaluation of Bi-Atrial Pacing and Single Site Right Atrial Pacing for the Prevention of Atrial Fibrillation," <i>Circ. J.</i> , 66(1):70-74 (January 2002), web abstract only from http://www.ncbi.nlm.nih.gov , 1 page.			
		ERDOGAN et al., "Proportion of Candidates for Cardiac Resynchronization Therapy," <i>PACE</i> , 2003 January, Part II, 26:152-154.			
		FEI et al., "Effects of Multisite Ventricular Pacing on Cardiac Function in Normal Dogs and Dogs with Heart Failure," <i>Journal of Cardiovascular Electrophysiology</i> , 1999 July, 10(7):935-946.			
		FINNEY, Jr., "Hemodynamic Alterations in Left Ventricular Function Consequent to Ventricular Pacing," <i>American J. Physiology</i> , 1965, 208(2):275-282.			
		FOSTER et al., "Acute Hemodynamic Effects of Atrio-Biventricular Pacing in Humans," <i>Annals of Thoracic Surg.</i> , 1995, 55:294-300.			
		FUNKE, "[Optimized Sequential Pacing of Atrium and Ventricle - A New Therapeutic Concept in the Treatment of Bradycardial Dysrhythmias]," <i>Herz/Kreisl.</i> , October 1978; 10(10):479-483 (German with English-Language Abstract and English Translation Attached).			English Translation
		FURUTA et al., "[Assessment of interaction between the left and right ventricles using pressure-volume loops in various heart diseases]," <i>J. Cardiol.</i> , June 1988; 18(2):477-491. (Japanese with English Abstract and Figure Captions)			English-Language Abstract
		GARRIGUE et al., "Intra-Left Ventricular Mechanical Asynchrony is an Independent Predictive Factor of Heart Failure Worsening Regardless of the QRS Width and Morphology: A Long-Term Follow-Up Study," <i>NASPE Abstracts, PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 150.			
		GASPARINI et al., "Long Term Results of Cardiac Resynchronization Therapy in Patients with Permanent Atrial Fibrillation," <i>NASPE Abstracts, PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 700.			
		GASPARINI et al., on behalf of the Italian InSync ICD Registry Investigators, "Cardiac Resynchronization and Implantable Cardioverter Defibrillator Therapy: Preliminary Results from the InSync Implantable Cardioverter Defibrillator Italian Registry," <i>PACE</i> , 2003 January, 26(1):2, 148-151.			
		GASPARINI et al., "Beneficial Effects of Biventricular Pacing in Patients with a 'Narrow' QRS," <i>PACE</i> , 2003 January, 26(1):2, 169-174.			

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	7	of	14	Attorney Docket Number	06809.0030

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		Translation ⁶
		GIBSON et al., "Effect of Changes in Ventricular Activation on Cardiac Haemodynamics in Man: Comparison of Right Ventricular, Left Ventricular, and Simultaneous Pacing of Both Ventricles," <i>Br. Heart J.</i> , 1971 May; 33(3):397-400.		
		GILMORE et al., "Synchronicity of Ventricular Contraction: Observations Comparing Haemodynamic Effects of Atrial and Ventricular Pacing," <i>Br. Heart J.</i> , 1963 May; 25:299-307.		
		GREATBATCH, "The Making of the Pacemaker: Celebrating Lifesaving Invention," <i>Prometheus Books</i> , 2000, pp. 1-260, particularly pp. 14-19.		
		GOMEZ-DOBLAS et al., "Ventricular Geometry And Heart Failure," <i>Rev. Esp. Cardiol.</i> , 1999 January, 52(1):47-52. Review. (Spanish with English Abstract)		English-Language Abstract
		GROVER et al., "Endocardial Pacing Site Affects Left Ventricular End-Diastolic Volume and Performance in the Intact Anesthetized Dog," <i>Circulation Research</i> , 1983 July, 53(1):72-85.		
		HAAS et al., "Pacemaker-Induced Cardiovascular Failure," <i>Am. J. of Cardiology</i> , Vol. 33, pp. 295-99 (February 1974).		
		HAUSER et al., "Performance of Pacemaker and Implantable Cardioverter Defibrillator Pulse Generators and Leads: Results from the Multicenter Registry," <i>The XIIth World Congress on Cardiac Pacing & Electrophysiology, Hong Kong</i> , February 19-22, 2003, pp. 173-179.		
		HAYES et al., "Cardiac Pacing: How it Started, Where We Are, Where We Are Going," <i>PACE</i> , 2004 May, 27:693-704.		
		HOCHLEITNER et al., "Usefulness of Physiologic Dual-chamber Pacing in Drug-Resistant Idiopathic Dilated Cardiomyopathy," <i>American Journal of Cardiology</i> , 1990 July 15, (66):198-202.		
		HUGHES et al., "Effect of Stimulation Site on Ventricular Threshold in Dogs with Heart Block," <i>American Heart Journal</i> , January 1975, 89(1):68-73.		
		HUGHES et al., "Two To Three Years of Failure-Free Testing of a Rechargeable Pacemaker in Experimental Complete Heart Block," <i>Circulation</i> , August 1976, 54(2):263-266.		
		HUGHES et al., "The Effects Of Electrode Position On The Detection Of The Transvenous Cardiac Electrogram," <i>PACE</i> , 1980, 3(6):651-655.		
		HUNT et al., "Long-term Electrode Catheter Pacing from Coronary Sinus," <i>Medical Memoranda, British Medical Journal</i> , 1968 November 23, pp. 495-496.		
		JANOSIK et al., "The Hemodynamic Benefit of Differential Atrioventricular Delay Intervals for Sensed and Paced Atrial Events During Physiologic Pacing," <i>J. Am. Coll. Cardiol.</i> , 1989 August, 14(2):499-507.		
		JEFFREY, Excerpts from <i>Machines in Our Hearts</i> , 2001, The John Hopkins University Press, Chapter 2, pp. 36-39, 65-66, 90-100, 118-120, 170-171, and 236-237.		
		JIMENEZ-NAVARRO et al., Correspondence to the Editor about "Left Ventricular Assist Device," <i>N. Engl. J. Med.</i> , 2002 March 28, 346(13):1023-1025; author reply 1023-1025.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	8	of	14	Attorney Docket Number	06809.0030

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		Translation ⁶
		KARLÖF, Ingvar, "Haemodynamic Effect of Atrial Triggered Versus Fixed Rate Pacing at Rest and During Exercise in Complete Heart Block," <i>Acta. Med. Scand.</i> , 197(3):195-206, March 1975.		
		KAWAMURA et al., "[83. Experimental Study of RV-LV Simultaneous Pacing as More Physiological Pacing]," <i>Idem</i> Job No. 0412-137, 1982, pp. 285-286. (Japanese with English Translation)		English Translation Attached
		KENNERGREN et al., "Cardiac Lead Extraction with a Novel Locking Stylet," <i>Journal of Interventional Cardiac Electrophysiology</i> , 2000, V.4, pp. 591-593.		
		KERR et al., "Transvenous Atrial Pacing Following Amputation of the Atrial Appendage at Open Heart Surgery," <i>PACE</i> , 1985 July-August, (8):497-501.		
		KERR et al., "Atrial Pacing: Efficacy and Safety," <i>PACE</i> , 1989 July, 12(1):1049-1054.		
		KLUG et al., "Pacemaker Lead Extraction With the Needle's Eye Snare for Countertraction Via a Femoral Approach," <i>PACE</i> , 2002 July, 25(7):1023-1028.		
		LANE et al., "Multisite Right Ventricular Pacing: An Alternative Form of Cardiac Resynchronisation," <i>NASPE Abstracts, PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 190.		
		LANE et al., "The Influence of Lead Position and Interventricular Pacing Interval for Optimal Cardiac Resynchronisation Therapy," <i>NASPE Abstracts, PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 701.		
		LATTUCA et al., "Bi-Ventricular Pacing to Improve Cardiac Hemodynamics," <i>Clinical Research</i> , 1990 October, 38 (3):882A.		
		LEMERY, "Bi-Atrial Mapping of Atrial Arrhythmias," <i>Card. Electrophysiol. Rev.</i> , 6(4):378-382 (December 2002), web abstract only from http://www.ncbi.nlm.nih.gov , 1 page.		
		LIMA et al., "Incomplete Filling and Incoordinate Contraction as Mechanisms of Hypotension during Ventricular Tachycardia in Man," <i>Circulation</i> , Vol. 68, No. 5, pp. 928-37 (1983).		
		LISTER et al., "Effect of Pacemaker Site on Cardiac Output and Ventricular Activation in Dogs with Complete Heart Block,," <i>Am. J. of Cardiology</i> , Vol. 14, pp. 494, 496, 500 (1964).		
		MAGDER et al., "Effect of Negative Pleural Pressure on Left Ventricular Hemodynamics," <i>Am. J. of Cardiology</i> , Sept. 1, 1983, 52(5), pp. 588-93 (Abstract Only).		
		MANN et al., "Importance of Pacing Site in Entrainment of Ventricular Tachycardia," <i>J. Am. College of Cardiology</i> , Vol. 5, No. 3, pp. 781-787 (1985).		
		MARCHLINSKI et al., "Atrial and Ventricular Burst Pacing from a Coronary Sinus Catheter: Relation to Position of Radiofrequency Transmitter," <i>PACE</i> , 1985 May-June, 8(I), 399-401.		
		McINTOSH et al., "The Hemodynamic Consequences of Arrhythmias," <i>Prog. Cardiovasc. Dis.</i> , 8(4):330-363 (1966).		

IDS Form PTO/SB/08: Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				<i>Application Number</i>	10/656,222
				<i>Filing Date</i>	September 8, 2003
				<i>First Named Inventor</i>	Morton M. Mower
				<i>Art Unit</i>	3762
				<i>Examiner Name</i>	Kahelin, Michael William
Sheet	9	of	14	<i>Attorney Docket Number</i>	06809.0030

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			Translation ⁶
		<i>Medtech Insight</i> , "Hot Topics in Heart Failure," 2004 June/July, cover page and pp. 190-200.			
		MEHTA et al., "Cardiology's 10 Greatest Discoveries of the 20th Century," <i>Texas Heart Institute Journal</i> , 2002, 9(3):164-171.			
		MERCANDO et al., "Measurement of Differences in Timing and Sequence Between Two Ventricular Electrodes as a Means of Tachycardia Differentiation," <i>PACE</i> , 1986 November-December, 9(II):1069-1078.			
		MIROWSKI et al., "A Chronically Implanted System for Automatic Defibrillation in Active Conscious Dogs," <i>Circulation</i> , 1978 Jul; 58(1):90-94.			
		MIROWSKI et al., "Clinical Experience with the Implantable Cardioverter-Defibrillator," <i>Annals of the New York Academy of Sciences</i> , 1984, 427:297-306.			
		MIROWSKI et al., "Clinical experience with the automatic implantable defibrillator," <i>Arch. M. Com.</i> , 1985, pp. 39-42.			
		MIROWSKI et al., "The Automatic Implantable Cardioverter-Defibrillator," <i>PACE</i> , 1984 May-June, Part II, 7:534-540.			
		MIROWSKI et al., "Use of the automatic implantable cardioverter-defibrillator in the treatment of malignant ventricular tachyarrhythmias," <i>Herz</i> , 1984, 9(2):83-89.			
		MIROWSKI et al., "Clinical Performance of the Implantable Cardioverter-Defibrillator," <i>PACE</i> , 1984 Nov.-Dec., Part II, 7:1345-1350.			
		MOLHOEK et al., "QRS Duration and Shortening to Predict Clinical Response to Cardiac Resynchronization Therapy in Patients with End-Stage Heart Failure," <i>PACE</i> , 2004 March, 27:308-313.			
		MOORE et al., "Electrophysiological Studies on Pacing Techniques to Prevent Ventricular Fibrillation," Chapter 22 from <i>Nonpharmacological Therapy of Tachyarrhythmias</i> , Futura Pub. Co., 1987, pp. 345-358.			
		MORTENSEN et al., "Sequential Biventricular Pacing: Evaluation of Safety and Efficacy," <i>PACE</i> , 2004 March, 27:339-345.			
		MOSS, "Long-Term Pervenous Atrial Pacing From the Proximal Portion of the Coronary Vein," <i>JAMA</i> , July 28, 1969, 209(4):543-545.			
		MOULOPOULOS et al., "Effect of Site and Intensity of Pacing on Left Ventricular Performance," <i>J. Electocardiology</i> , 16(4):409-415 (1983).			
		MOWER et al., "Unusual Patterns of Conduction Produced by Pacemaker Stimuli," <i>Am. Heart J.</i> , 1967 July; 74(1):24-28.			
		MOWER et al., "Automatic Implantable Cardioverter-Defibrillator Structural Characteristics," <i>PACE</i> , Nov.-Dec. 1984, 7(No. 6, Pt 2):1331-1337.			
		NAVARRO-LOPEZ et al., "Guideline 8. Criteria for Hospitalization," <i>Rev. Esp. Cardiol.</i> , 1997, 50(Supp. 1):47-48. (Spanish with English abstract)			English-Language Abstract
		NAVARRO-LOPEZ et al., "Guideline 1. Diagnosis Of Heart Failure And Ventricular Dysfunction," <i>Rev. Esp. Cardiol.</i> , 1997, 50(Supp. 1):3-8 (Spanish with English abstract).			English-Language Abstract

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	10	of	14	Attorney Docket Number	06809.0030

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			Translation ⁶
		NAVARRO-LOPEZ et al., "Guideline 4. Management of Congestive Heart Failure," <i>Rev. Esp. Cardiol.</i> , 1997, 50(Supp. 1):27-31. (Spanish with English abstract)			English-Language Abstract
		NAVARRO-LOPEZ et al., "Guidelines For The Diagnosis And Management Of Heart Failure And Cardiogenic Shock," <i>Rev. Esp. Cardiol.</i> , 1999, 52(Supp. 2):1-54. (Spanish with English abstract)			English-Language Abstract
		ONG et al., "Cephalic vein guide wire technique for implantation of permanent pacemakers," <i>American Heart Journal</i> , Oct. 1987, 4(1):753-756.			
		PARK et al., "Effect of Alteration of Left Ventricular Activation Sequence on the Left Ventricular End-Systolic Pressure-Volume Relation in Closed-Chest Dogs," <i>Circulation Research</i> , Vol. 57, No. 5, Nov. 1985, pp. 706-717.			
		PATEL et al., Letters To The Editor: "Coronary Sinus Pacing," <i>Circulation</i> , Vol. 58, No. 1, July 1978, pp. 187-189.			
		PESCHAR et al., "Left Ventricular Septal and Apex Pacing for Optimal Pump Function in Canine Hearts," <i>Journal of the American College of Cardiology</i> , 2003, 41(7):1218-1226.			
		PLATIA et al., "Management of the Prolonged QT Syndrome and Recurrent Ventricular Fibrillation with an Implantable Automatic Cardioverter-Defibrillator," <i>Clinical Cardiology</i> , 1985, 8:490-493.			
		PLATIA et al. "Sensitivity of various extrastimuls techniques in patients with serious ventricular arrhythmias," <i>American Heart Journal</i> , 1983 October, 106(4):698-703.			
		PLATIA et al., "Treatment of Malignant Ventricular Arrhythmias With Endocardial Resection and Implantation of the Automatic Cardioverter-Defibrillator," <i>The New England Journal of Medicine</i> , 1986 January, 314(4):213-216.			
		PRINZEN et al., "Relation Between the Pacing Induced Sequence of Activation and Left Ventricular Pump Function in Animals," <i>PACE</i> , 2002 April, Part I, 25(4):484-498.			
		REID et al., "Implantable Cardioverter-Defibrillator: Patient Selection and Implantation Protocol," <i>PACE</i> , 1984 Nov.-Dec., Part II, 7:1338-1344.			
		REID et al., "Clinical Evaluation of the Internal Automatic Cardioverter-Defibrillator in Survivors of Sudden Cardiac Death," <i>Am. J. Cardiol.</i> , 1983 June;51:1608-1609			
		RITTER, "Editorial," <i>PACE</i> , 2003 January, Part II, 26:136.			
		ROGEL et al., "The Universal Pacer: A synchronized-demand pacemaker," <i>J. Thorac. Cardiovasc. Surg.</i> , 1971 Mar.; 61(3):466-471.			
		ROSENHECK et al., "Noninstrumental Pacemaker and Defibrillator Lead Removal: The Importance of the Rotation Forces," <i>PACE</i> , Vol. 25, No. 7 July 2002, pp. 1029-1036.			
		ROSENQVIST et al., "Relative Importance of Activation Sequence Compared to Atrioventricular Synchrony in Left Ventricular Function," <i>Am. J. of Cardiology</i> , Vol. 67, Jan. 15, 1991, pp. 148-156.			
		SAMET et al., "Electrical Activation and Mechanical Asynchronism in the Cardiac Cycle of the Dog," <i>Circulation Research</i> , Vol. VII, March 1959, pp. 228-233.			

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	11	of	14	Attorney Docket Number	06809.0030

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			Translation ⁶
		SANTAMORE et al., "A Theoretical and Experimental Model of Ventricular Interdependence," <i>Basic Res. Cardiol.</i> , 1986 Sep-Oct; 81(5):529-538.			
		SCHLANT et al., "Modification of the Law of the Heart: Influence of Early Contracting Areas (P)," <i>Supp. to Circulation</i> , Vols. XXIX and XXX, October 1964, pp. 153-154.			
		SHEFER et al., "Left Ventricular Function During Physiological Cardiac Pacing: Relation to Rate, Pacing Mode, and Underlying Myocardial Disease," <i>PACE</i> , Vol. 10, March-April 1987, pp. 315-325.			
		SILVA et al., "Biventricular Stimulation: A More Physiologic Pacing," 4 th European Symposium on Cardiac Pacing, May 28-31, 1989, Abstract 339, pp. 148.			
		SILVA, "Influencia de la Localizacion de la Estimulacion Electrica Ventricular Sobre la Eficiencia Cardiaca. Estudio Experimental Y Clinico," Tesis Doctoral para la Universidad Autonoma De Madrid Facultad de Medicina (1987), pp. 1-150 (Doctoral Thesis, in Spanish).			No
		SILVA et al., "Biventricular Stimulation: An Approach to Physiologic Cardiac Stimulation," <i>International Congress of Cardiology, Abstracts</i> , pp. 132 (November 1988).			
		SODI-POLLARES et al., "General Considerations About the Activation Process of the Heart," <i>Deductive and Polyparametric Electrocardiography</i> , 1970, pp. 30-41.			
		TAKESHITA et al., "Effect of Intermittent Left Bundle Branch Block on Left Ventricular Performance," <i>Am. J. of Medicine</i> , Vol. 56, Feb. 1974, pp. 251-255.			
		TEDROW et al., "Feasibility of Adjusting Cardiac Resynchronization by Manipulating Left Ventricular Pacing Stimulus Strength," <i>NASPE Abstracts, PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 15.			
		THIBAUT et al., "Differential Effects of Right-, Left- and Bi-Ventricular Stimulation in the Rapid Pacing Canine Model of Heart Failure: Evidences for a Direct Mechanical Effect of Different Sites of Stimulation," <i>NASPE Abstracts, PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 430			
		TSAGARIS et al., "Species Variability in Hemodynamic Response to Paired-Pulse Stimulation," <i>Am. J. of Physiology</i> , June 1969, 216(6):1409-1417.			
		TYERS, "Comparison of the Effect on Cardiac Function of Single-Site and Simultaneous Multiple-Site Ventricular Stimulation After A-V Block," <i>J. Thoracic and Cardiovas. Sur.</i> , Vol. 59, No. 2, pp. 211-217 (1970).			
		TYERS et al., "A New Device for Nonoperative Repair of Internal Cardiac Pacemakers," <i>Archives of Surgery</i> , 1966 June, Vol. 92:901-904.			
		TYERS, "Maximum Cardiac Performance After Complete Heart Block," <i>Surgical Forum</i> , Vol XVIII, American College of Surgeons, 1967, pp. 132-133.			
		TYERS, "Optimal electrode implantation site for asynchronous dipolar cardiac pacing," <i>Annals of Surgery</i> , Feb. 1968, 167(2):168-179.			
		TYERS et al., "An Integrated Program For Safe Permanent Internal Cardiac Pacing," <i>The Journal of Cardiovascular Surgery</i> , 11 th World Congress of International Cardiovascular Society, Barcelona, September 27-29, 1973, Special issue, pp. 163-166.			

IDS Form PTO/SB/08: Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				<i>Application Number</i>	10/656,222
				<i>Filing Date</i>	September 8, 2003
				<i>First Named Inventor</i>	Morton M. Mower
				<i>Art Unit</i>	3762
				<i>Examiner Name</i>	Kahelin, Michael William
Sheet	12	of	14	<i>Attorney Docket Number</i>	06809.0030

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			Translation ⁶
		TYERS et al., "Effect of Site of Synchronous Unipolar Ventricular Stimulation and Volume Loading on Cardiac Function," <i>J. Surg. Res.</i> , 1973 Oct; 15(4):271-284.			
		TYERS et al., "Comparative studies of 'state of the art' and presently used clinical cardiac pacemaker electrodes," <i>Journal of Thoracic and Cardiovascular Surgery</i> , St. Louis, Vol. 67, No. 6, June 1974, pp. 849-856.			
		TYERS et al., "The Advantages of Transthoracic Placement of Permanent Cardiac Pacemaker Electrodes," <i>Journal of Thoracic and Cardiovascular Surgery</i> , January 1975, 69(1):8-14.			
		TYERS et al., "The unfulfilled promise of demand pacing," <i>Journal of Thoracic and Cardiovascular Surgery</i> , Nov. 1976, 72(5):813-814.			
		TYERS et al., "Improved R-wave Detection with Intramyocardial Electrodes," 30 th ACEMB, Los Angeles Hilton, Los Angeles, CA, Nov. 5-9, 1977, p. 268.			
		TYERS et al., "R-Wave Detection for Demand Pacing-The Superiority of Intramyocardial Over Endocardial Electrodes," <i>J. Surg. Res.</i> , April 1978, 24(4):316-320.			
		TYERS et al., "Myocardial Stimulation Impedance: The Effects Of Electrode, Physiological, and Stimulus Variables," <i>Annals of Thoracic Surgery</i> , 27(1):63-69 (1979).			
		TYERS et al., "Multiprogrammable Pacemakers," <i>Canadian Journal of Surgery</i> , 1981, 24(3):252-256.			
		TYERS et al., "Current Status And Future Of Programmable Pacing," Vogel, J.H.K. (Ed.). Cardiovascular Medicine, Vol. 1., Raven Press: New York, N.Y., (1982), pp. 355-362.			
		TYERS et al., "Current Status of Sensor-Modulated Rate-Adaptive Cardiac Pacing," <i>Journal of the American College of Cardiology</i> , 1990 15(2):412-418.			
		TYERS et al., "Medical Device Review In Canada," <i>PACE</i> , March 1995, 18(3):472-473.			
		TYERS et al., "Coradial Bipolar Lead Implant and Follow-Up Experience," poster presentation at the North American Society for Pacing and Electrophysiology (NASPE), 17 th Annual Scientific Sessions, Seattle, WA, May 15-18, 1996, 4 pages.			
		TYERS et al., "Removal of Permanent Endocardial Pacing Leads (1981-1997)," <i>Heartweb</i> , Vol. 4, No. 4, February 1999, (Article No. 9920003), pp. 1-8.			
		TYERS et al., "Bipolar leads for use with permanently implantable cardiac pacing systems: A review of limitations of traditional and coaxial configurations and the development and testing of new conductor, insulation, and electrode designs," <i>J. Invest. Surg.</i> , 1997, 10(1):1-15.			
		TYERS et al., "Similar indications but different methods: Should there be a consensus on optimal lead extraction techniques?," <i>PACE</i> , July 2002, 25(7):1019-1022.			
		TYERS et al., "Bifocal/Biatrial Pacing in Clinical Practice," The XII th World Congress on Cardiac Pacing & Electrophysiology, Hong Kong, February 19-22, 2003, pp. 715-717.			

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	13	of	14	Attorney Docket Number	06809.0030

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶	
		TYERS et al., "Coronary sinus lead extraction," The XII th World Congress on Cardiac Pacing & Electrophysiology, Hong Kong, February 19-22, 2003, pp. 741-743.		
		TYERS et al., "Surgical Complications of Pacemaker Implant," The XII th World Congress on Cardiac Pacing & Electrophysiology, Hong Kong, February 19-22, 2003, pp. 745-760.		
		VAL-MEJIAS et al., "Paced QRS Width Narrows with Increasing Pacing Voltages: Implications for Ventricular Resynchronization," NASPE Abstracts, <i>PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 702.		
		VAN GELDER et al., "The Influence of Intrinsic Conduction on Left Ventricular dP/dt During Biventricular Pacing in Cardiac Resynchronisation Therapy," NASPE Abstracts, <i>PACE</i> , Vol. 26, Part II, April 2003, Abstract No. 94.		
		WALDO et al., "Ventricular Paired Pacing to Control Rapid Ventricular Heart Rate Following Open Heart Surgery," <i>Circulation</i> , January 1976, 53(1):176-181.		
		WALSH et al., "Differentiation of Sinus Rhythms for Supraventricular Tachydysrhythmias by Activation Sequence and Timing," <i>PACE</i> 1990 Dec;13(12 Pt 2): 1972-9 (Abstract Only)		
		WATKINS, Jr. et al., "Surgical Techniques for Implanting the Automatic Implantable Defibrillator," <i>PACE</i> , 1984 Nov.-Dec., Part II, 7:1357-1362.		
		WATKINS et al., "The Treatment of Malignant Ventricular Arrhythmias with Combined Endocardial Resection and Implantation of the Automatic Defibrillator: Preliminary Report," <i>The Annals of Thoracic Surgery</i> , 1984 January, 37(1):60-64.		
		WATKINS et al., "Malignant Ventricular Arrhythmias," <i>The Annals of Thoracic Surgery</i> , 1984 January, 37(1):65-66.		
		WATKINS et al., "Automatic Implantable Defibrillator," <i>The Journal of Thoracic and Cardiovascular Surgery</i> , 1983 September, 86(3):382-387.		
		WATKINS et al., "Automatic Defibrillation in Man: Is It Feasible?" <i>The American Journal of Surgery</i> , 1983 June, 145:752-755.		
		WAXMAN et al., "Ventricular Pacing from the Middle Cardiac Vein Mimicking Supraventricular Morphology" <i>PACE</i> , Volume 2, March-April 1979, pp. 203-207.		
		WILLIAM-OLSSON et al., "The Effect of Pacemaker Electrode Site on Cardiac Output," <i>J. Thoracic and Cardiovas. Surg.</i> , Vol. 45, No. 5, pp. 618-621 (1963).		
		WISH et al., "Optimal Left Atrioventricular Sequence in Dual Chamber Pacing- Limitations of Programmed A-V Interval," <i>JACC</i> , Vol. 3, No. 7, February 1984, p. 507 (Abstract).		
		WITTE et al., "Transvenous Atrial Synchronized Pacing," <i>Advances in Pacemaker Technology</i> , Springer-Verlag Pub., 1975, pp. 99-120.		
		YOSHIMORI, "An Experimental Study on the Site for Ventricular Pacing of A Dog Heart with Special Reference to Biventricular Pacing," <i>Nippon Ika Daigaku Zasshi</i> , Vol. 54, No. 3 (1987), pp. 267-276. (Japanese with English-Language Abstract and English Translation Attached)	English Translation Attached	

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/656,222
				Filing Date	September 8, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Kahelin, Michael William
Sheet	14	of	14	Attorney Docket Number	06809.0030

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		ZILE et al., "Right Ventricular Pacing Reduces the Rate of Left Ventricular Relaxation and Filling," J. Am. Coll. Cardiol., Vol. 10, No. 3, pp. 702-709 (1987).	
		ZIPES et al., "Electrophysiologic Studies on Ventricular Fibrillation," <i>Cardiac Electrophysiology and Arrhythmias</i> , Gruni and Stratton, Pub., 1985, pp. 317-320.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applican